

SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: Kulesz-Martin, Molly F.
- (ii) TITLE OF INVENTION: p53as PROTEIN AND ANTIBODY THEREFOR
- (iii) NUMBER OF SEQUENCES: 5
- (iv) CORRESPONDENCE ADDRESS:
- (A) ADDRESSEE: Dunn & Simpson, P.C.
- (B) STREET: P.O. Box 96
- (C) CITY: Newfane
- (D) STATE: New York
- (E) COUNTRY: U.S.A.
- (F) ZIP: 14108
- (v) COMPUTER READABLE FORM:
- (A) MEDIUM TYPE: Diskette - 3.50 inch, 1.44 Mb storage
- (B) COMPUTER: Victor 300 SX/25 (IBM PC Compatible)
- (C) OPERATING SYSTEM: MS-DOS Version 5.0
- (D) SOFTWARE: Wordstar Professional Release 4
- (vi) CURRENT APPLICATION DATA:
- (A) APPLICATION NUMBER: 08/100,496
- (B) FILING DATE: 2-Aug-1993
- (C) CLASSIFICATION: 530
- (vii) PRIOR APPLICATION DATA:
- (A) APPLICATION NUMBER:
- (B) FILING DATE:
- (viii) ATTORNEY/AGENT INFORMATION:
- (A) NAME: Dunn, Michael L.
- (B) REGISTRATION NUMBER: 25,330
- (C) REFERENCE/DOCKET NUMBER: RPP:135 US
- (ix) TELECOMMUNICATION INFORMATION:
- (A) TELEPHONE (716) 433-1661
- (B) TELEFAX: (716) 433-1665

(2) INFORMATION FOR SEQ ID NO 1:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 17
- (B) TYPE: amino acids
- (C) STRANDEDNESS: n/a
- (D) TOPOLOGY: n/a
- (ii) MOLECULE TYPE: peptide
- (iii) HYPOTHETICAL: no
- (iv) ANTI-SENSE: no
- (v) FRAGMENT TYPE: n/a
- (vi) ORIGINAL SOURCE:
- (A) ORGANISM: mouse
- (B) STRAIN: n/a
- (C) INDIVIDUAL ISOLATE: n/a
- (D) DEVELOPMENTAL STAGE: n/a
- (E) HAPLOTYPE: n/a
- (F) TISSUE TYPE: n/a
- (G) CELL TYPE: n/a
- (H) CELL LINE: n/a
- (I) ORGANELLE: n/a
- (vii) IMMEDIATE SOURCE: sequenced from cDNA clone from mouse epidermal cell RNA, Genbank Accession #M13874
- (A) LIBRARY: plasmid p6.3
- (B) CLONE:
- (viii) POSITION IN GENOME:
- (A) CHROMOSOME SEGMENT: 11
- (B) MAP POSITION: p53 gene
- (C) UNITS:
- (ix) FEATURE: n/a

- (A) NAME/KEY:  
(B) LOCATION:  
(C) IDENTIFICATION METHOD:  
(D) OTHER INFORMATION:

(x) PUBLICATION INFORMATION:

- (A) AUTHORS: Kulesz-Martin et al.  
(B) TITLE: Endogenous p53 Protein Generated From Wild Type Alternatively Spliced P53 RNA in Mouse  
(C) JOURNAL: Mol. Cell. Biol.  
(D) VOLUME: 14  
(E) ISSUE: 3  
(F) PAGES: 1698-1708  
(G) DATE: March, 1994  
(A) AUTHORS: Han, K.A. and Kulesz-Martin, M.F.  
(B) TITLE: Alternatively Spliced p53 RNA in Transformed and Normal Cells of Different Tissue Types  
(C) JOURNAL: Nucleic Acids Res.  
(D) VOLUME: 20  
(E) ISSUE: 8  
(F) PAGES: 1979-1981  
(G) DATE: 1992  
(A) AUTHORS: Arai, N. et al.  
(B) TITLE: Immunologically Distinct p53 Molecules Generated by Alternative Splicing  
(C) JOURNAL: Mol. and Cell. Biol.  
(D) VOLUME: 6  
(E) ISSUE:  
(F) PAGES: 3232-3239  
(G) DATE: 1986  
(H) DOCUMENT NUMBER:  
(I) FILING DATE:  
(J) PUBLICATION DATE:  
(K) RELEVANT RESIDUES IN SEQ ID NO:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1

Leu Gln Pro Arg Ala Phe Gln Ala Leu Ile Lys Glu Glu Ser Pro Asn  
1 5 10 15

Cys

(3) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 33  
(B) TYPE: Nucleic Acids  
(C) STRANDEDNESS: Unknown  
(D) TOPOLOGY: Unknown

(ii) MOLECULE TYPE: Oligonucleotide

(iii) HYPOTHETICAL:

(iv) ANTI-SENSE:

(v) FRAGMENT TYPE:

(vi) ORIGINAL SOURCE:

- (A) ORGANISM: Human  
(B) STRAIN:  
(C) INDIVIDUAL ISOLATE:  
(D) DEVELOPMENTAL STAGE:  
(E) HAPLOTYPE:  
(F) TISSUE TYPE:  
(G) CELL TYPE:  
(H) CELL LINE:  
(I) ORGANELLE:

(vii) IMMEDIATE SOURCE: Genbank Accession #X54156, Locus HUM P53G

(A) LIBRARY:  
(B) CLONE

(viii) POSITION IN GENOME:

(A) CHROMOSOME SEGMENT: 17  
(B) MAP POSITION: p53 gene 17593-17613  
(C) UNITS:

(ix) FEATURE:

(A) NAME/KEY:  
(B) LOCATION:  
(C) IDENTIFICATION METHOD:  
(D) OTHER INFORMATION:

(x) PUBLICATION INFORMATION:

(A) AUTHORS:  
(B) TITLE:  
(C) JOURNAL:  
(D) VOLUME:  
(E) ISSUE:  
(F) PAGES:  
(G) DATE:  
(H) DOCUMENT NUMBER:  
(I) FILING DATE:  
(J) PUBLICATION DATE:  
(K) RELEVANT RESIDUES IN SEQ ID NO:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2

ATCGAAGCTT GAGATGTTCC GAGAGAGCTG AAT 33

(4) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 31  
(B) TYPE: Nucleic acids  
(C) STRANDEDNESS: unknown  
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: oligonucleotide

(iii) HYPOTHETICAL:

(iv) ANTI-SENSE:

(v) FRAGMENT TYPE:

(vi) ORIGINAL SOURCE:

(A) ORGANISM: Human  
(B) STRAIN:  
(C) INDIVIDUAL ISOLATE:  
(D) DEVELOPMENTAL STAGE:  
(E) HAPLOTYPE:  
(F) TISSUE TYPE:  
(G) CELL TYPE:  
(H) CELL LINE:  
(I) ORGANELLE:

(vii) IMMEDIATE SOURCE: Genbank Accession #54156, Locus HUMP53G

(A) LIBRARY:

(B) CLONE

(viii) POSITION IN GENOME:

(A) CHROMOSOME SEGMENT: 17  
(B) MAP POSITION: p53 gene 18774-18794  
(C) UNITS:

(ix) FEATURE:

(A) NAME/KEY:  
(B) LOCATION:  
(C) IDENTIFICATION METHOD:  
(D) OTHER INFORMATION:

(x) PUBLICATION INFORMATION:

- (A) AUTHORS:
- (B) TITLE:
- (C) JOURNAL:
- (D) VOLUME:
- (E) ISSUE:
- (F) PAGES:
- (G) DATE:
- (H) DOCUMENT NUMBER:
- (I) FILING DATE:
- (J) PUBLICATION DATE:
- (K) RELEVANT RESIDUES IN SEQ ID NO:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3

ATCGTCTAGA GCTTCTGACG CACACCTATT G

31

(5) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 20
- (B) TYPE: Amino Acids
- (C) STRANDEDNESS: unknown
- (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: Peptide

(iii) HYPOTHETICAL: deduced from intron 10 sequences p53 gene

(iv) ANTI-SENSE:

(v) FRAGMENT TYPE:

(vi) ORIGINAL SOURCE:

- (A) ORGANISM: Human
- (B) STRAIN:
- (C) INDIVIDUAL ISOLATE:
- (D) DEVELOPMENTAL STAGE:
- (E) HAPLOTYPE:
- (F) TISSUE TYPE:
- (G) CELL TYPE:
- (H) CELL LINE:
- (I) ORGANELLE:

(vii) IMMEDIATE SOURCE:

(A) LIBRARY: deduced translation from nucleotides in Genbank nucleic acid database accession #54156, Locus HSP53G

(B) CLONE:

(viii) POSITION IN GENOME:

- (A) CHROMOSOME SEGMENT: 17
- (B) MAP POSITION: p53 gene, at 18530 to 18589
- (C) UNITS:

(ix) FEATURE: n/a

- (A) NAME/KEY:
- (B) LOCATION:
- (C) IDENTIFICATION METHOD:
- (D) OTHER INFORMATION:

(x) PUBLICATION INFORMATION:

- (A) AUTHORS:
- (B) TITLE:
- (C) JOURNAL:
- (D) VOLUME:
- (E) ISSUE:
- (F) PAGES:
- (G) DATE:
- (H) DOCUMENT NUMBER:
- (I) FILING DATE:
- (J) PUBLICATION DATE:

(K) RELEVANT RESIDUES IN SEQ ID NO.:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4

Arg Glu Lys Gly His Arg Pro Ser His Ser Cys Asp Val Ile Ser Pro  
1 5 10 15

Pro Cys Phe Cys  
20

(6) INFORMATION FOR SEQ ID NO: 5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 16
- (B) TYPE: Amino Acids
- (C) STRANDEDNESS: unknown
- (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL:

(iv) ANTI-SENSE:

(v) FRAGMENT TYPE:

(vi) ORIGINAL SOURCE: mouse glucocorticoid receptor sequence

- (A) ORGANISM:
- (B) STRAIN:
- (C) INDIVIDUAL ISOLATE:
- (D) DEVELOPMENTAL STAGE:
- (E) HAPLOTYPE:
- (F) TISSUE TYPE:
- (G) CELL TYPE:
- (H) CELL LINE:
- (I) ORGANELLE:

(vii) IMMEDIATE SOURCE:

- (A) LIBRARY:
- (B) CLONE

(viii) POSITION IN GENOME:

- (A) CHROMOSOME SEGMENT:
- (B) MAP POSITION:
- (C) UNITS:

(ix) FEATURE:

- (A) NAME/KEY:
- (B) LOCATION:
- (C) IDENTIFICATION METHOD:
- (D) OTHER INFORMATION:

(x) PUBLICATION INFORMATION:

- (A) AUTHORS:
- (B) TITLE:
- (C) JOURNAL:
- (D) VOLUME:
- (E) ISSUE:
- (F) PAGES:
- (G) DATE:
- (H) DOCUMENT NUMBER:
- (I) FILING DATE:
- (J) PUBLICATION DATE:

(K) RELEVANT RESIDUES IN SEQ ID NO:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5

Gly Arg Asn Asp Cys Ile Ile Asp Lys Ile Arg Arg Lys Asn Cys Asp  
1 5 10 15